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JOHN F. KENNEDY SCHOOL OF GOVERNMENT

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MAY 18 1998

Dr. Walter Massey
Chairman, Secretary of Energy Advisory Board
c/o Morehouse College
830 Westview Drive, S.W.
Atlanta, Georgia 30314

Dear Dr. Massey:

On behalf of the Task Force on Electric System Reliability of the Secretary of Energy Advisory Board, I am providing you with two Task Force papers entitled *Technical Issues in Transmission System Reliability* and *Ancillary Services and Bulk-Power Reliability*. These papers were approved by the Task Force members at our May 12, 1998 meeting.

The Technical Issues Paper provides guidance to the Department of Energy and the electric industry on setting research priorities. It addresses some of the technical issues raised by electric industry restructuring and describes several of the advanced technologies that can be used to sustain system reliability while opening transmission networks to increased competition. It contains specific recommendations regarding the institutions responsible for advancing electric reliability technologies, integration of communication and data systems, and research and development initiatives.

The Ancillary Services Paper describes those services necessary to assure stability of the bulk-power system and to prevent cascading outages in the event of an unplanned outage of a generating unit or transmission facility. This Paper includes recommendations to ensure that these services are produced, available and managed to maintain reliability in a restructured electricity industry.

The Task Force appreciates the opportunity to provide the Department with these papers and respectfully submits them for consideration.

Sincerely,

A handwritten signature in black ink, reading "Philip Sharp", written over a horizontal line.

Dr. Philip Sharp
Chairman,
Task Force on Electric System Reliability

Enclosures